

APPENDIX A

SAMPLE DATA SHEETS – OCTOBER 2003 MONITORING EVENT

**[APRIL 2003 DATA PROVIDED IN THE DRAFT APRIL 2003 DATA
SUMMARY SUBMITTAL]**

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-071
Date Collected: 10/7/05
Time Collected: 1145
Collected By: SPJ
Date Shipped to Lab: 10/7/05
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB 9

Sample Number: PKR- GW-8101B

Sample Type: Grab X Other

Composite

Analyses Requested:

Organics VOCs Inorganics Metals (total)

VOA Only Other

Extractables

Preservatives HCl, HNO₃

Total Well Depth (ft)	95
Well Screen Length (ft)	10 (85-95)
Well Diameter (in)	2
Well Screen Volume (gal)	1.6
Reference Elevation (ft)	818.2

Purge Method: Low Flow Sampling
Approx. Purge Rate: 630 mL/min
Purge Device: 300 foot Grundfos

Sample Criteria:
pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 4.2

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10/7/03
Time Collected: 1230
Collected By: JP JT
Date Shipped to Lab: 10/7/03
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB 9

Sample Number: PKR-GW-8102A
 Sample Type: Grab X Other _____
 Composite _____
 Analyses Requested: Organics VOCs Inorganics Metals (total)
 VOA Only _____ Other _____
 Extractables _____
 Preservatives HCl, HNO₃ _____
 Purge Method: Low Flow Sampling
 Approx. Purge Rate: _____
 Purge Device: Bater

Total Well Depth (ft)	59.7
Well Screen Length (ft)	15 (44.7 - 59.7)
Well Diameter (in)	2
Well Screen Volume (gal)	2.6
Reference Elevation (ft)	790.1

Sample Criteria:

pH - variance not to exceed 0.3 std units

Spec Cond., Temp., D.O. - variance not to exceed 10%

Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = less than 2

Remarks: fur not collected - send bottom

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10/01/03
Time Collected: 1645
Collected By: SPF FS
Date Shipped to Lab: 10/01/03
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-6

Sample Number: PKR-GW-B102B
 Sample Type:
 Grab X Other _____
 Composite _____
 Analyses Requested:
 Organics VOCs Inorganics Metals (total)
 VOA Only _____ Other _____
 Extractables _____
 Preservatives HCl HNO₃

Total Well Depth (ft)	115.7
Well Screen Length (ft)	9.9 (105.8 - 115.7)
Well Diameter (in)	2
Well Screen Volume (gal)	1.7
Reference Elevation (ft)	790.4

Purge Method: Low Flow Sampling
Approx. Purge Rate: 300 ml/minute
Purge Device: Grundfos Pump

Sample Criteria:
pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample $\approx < 2$

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10/13/07
Time Collected: 2:58 PM
Collected By: 1100
Date Shipped to Lab: 10/13/07
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB 9

Sample Number: PKR-GW-B103A

Sample Type:

Grab X Other

Composite

Analyses Requested: _____

Organics VOCs Inorganics Metal

VOA Only _____ Other PSY-1

Extractables

Preservatives HCl HNO₃

Purge Method: Low Flow Sampling

Approx. Purge Rate: _____

Purge Device: Bailer

Total Well Depth (ft)	62
Well Screen Length (ft)	15 (47-62)
Well Diameter (in)	2
Well Screen Volume (gal)	2.6
Reference Elevation (ft)	794.6

Sample Criteria:

pH - variance not to exceed 0.3 std units

Spec Cond., Temp., D.O. - variance not to exceed 10%

Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 4.2

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10/3/07
Time Collected: 1030
Collected By: JD JT
Date Shipped to Lab: 10/3/08
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-9

Sample Number: PKR-GW-B103C
 Sample Type: Grab X Other _____
 Composite _____
 Analyses Requested: Organics VOCs Inorganics Metals (total)
 VOA Only _____ Other _____
 Extractables _____
 Preservatives HCl, HNO₃

Total Well Depth (ft)	134.1
Well Screen Length (ft)	10 (134.1 - 134.1)
Well Diameter (in)	2
Well Screen Volume (gal)	1.7
Reference Elevation (ft)	794.6

Purge Method: Low Flow Sampling
Approx. Purge Rate: 925 ml/min changed to 700 ml/hr
Purge Device: 925 30 ft ground

Sample Criteria:

pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 6.2

Remarks: turbidity meter needed new batteries during first several readings.

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 12/02/03
Time Collected: 1415
Collected By: JC/FS
Date Shipped to Lab: 10/02/03
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-8

Sample Number: PKR - GW - B113 A

Sample Type: Grab X Other

Composite

Analyses Requested:

Organics VOCs Inorganics Metals (total)

VOA Only Other

Extractables

Preservatives HCl, HNO₃

Purge Method: Low Flow Sampling

rox. Purge Rate:

Purge Device: Ground Pen Pump (32)

Certerra Pump

Total Well Depth (ft)	91.5
Well Screen Length (ft)	15 (76.5 - 91.5)
Well Diameter (in)	2
Well Screen Volume (gal)	2.6
Reference Elevation (ft)	773.8

Sample Criteria:
 pH - variance not to exceed 0.3 std units
 Spec Cond., Temp., D.O. - variance not to exceed 10%
 Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 4.2

Remarks: Can't set Ground Gas pump in well. Use water rra pump to sample. Purse volume is approximately 6.2 gallons. well is obstructed at depth for ground gas pump.

* Purse 3 well volumes; time 6 gallons before take field parameter readings and collecting sample.

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10/2/03
Time Collected: 1345
Collected By: ST/SP
Date Shipped to Lab: _____
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-7

Sample Number: PKR-GW-B113BB
Sample Type:
Grab X Other _____
Composite _____
Analyses Requested:
Organics VOCs Inorganics Metals (total)
VOA Only _____ Other SVOCs
Extractables _____ RSK-175
Preservatives HCl, HNO₃
Purge Method: Low Flow Sampling
Approx. Purge Rate: 440 mL/min changed to 510 mL/min
Purge Device: Grundfos 300ft

Total Well Depth (ft)	169
Well Screen Length (ft)	10 (169 - 169)
Well Diameter (in)	2
Well Screen Volume (gal)	1.7
Reference Elevation (ft)	773.10

Sample Criteria:

pH - variance not to exceed 0.3 std units

Spec Cond., Temp., D.O. - variance not to exceed 10%

Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 4.2

Remarks:

Volume P

40

Sample Number: PKR-GW-B110A
 Sample Type:
 Grab X Other _____
 Composite _____
 Analyses Requested:
 Organics VOCs Inorganics Metals (total)
 VOA Only _____ Other _____
 Extractables _____
 Preservatives HCl, HNO₃

Total Well Depth (ft)	111.7
Well Screen Length (ft)	15 (96.7 - 111.7)
Well Diameter (in)	2
Well Screen Volume (gal)	2.6
Reference Elevation (ft)	796.8

Purge Method: Low Flow Sampling
Approx. Purge Rate: 650 ml/min
Purge Device: Robertson 2-1000

Sample Criteria:
 pH - variance not to exceed 0.3 std units
 Spec Cond., Temp., D.O. - variance not to exceed 10%
 Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 4.2

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10/1/03
Time Collected: 1700
Collected By: JP JT
Date Shipped to Lab: _____
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB 5

Sample Number: PKR-GW-8118B
 Sample Type: Grab X Other _____
 Composite _____
 Analyses Requested: Organics VOCs Inorganics Metals (total)
 VOA Only _____ Other _____
 Extractables _____
 Preservatives HCl, HNO₃

Total Well Depth (ft)	247.3
Well Screen Length (ft)	10 (237.3 - 247.3)
Well Diameter (in)	2
Well Screen Volume (gal)	1.7
Reference Elevation (ft)	797.6

Purge Method: Low Flow Sampling
Approx. Purge Rate: 450 ml/min
Purge Device: 300 ft Grundfos

Sample Criteria:

pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 4.2

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-0-11
Date Collected: 4/11/03
Time Collected: 1500
Collected By: SL
Date Shipped to Lab: _____
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB 5

Sample Number: PKR-GW-B11BC
 Sample Type: Grab X Other _____
Composite _____
 Analyses Requested: Organics VOX Inorganics Metals (total)
VOA Only _____ Other _____
Extractables _____
Preservatives HCl, HNO₃ _____
 Purge Method: Low Flow Sampling
 Approx. Purge Rate: 390 ml/min
 Purge Device: 300 Ft Grundfos

Total Well Depth (ft)	296
Well Screen Length (ft)	10 (296 - 296)
Well Diameter (in)	2
Well Screen Volume (gal)	1.7
Reference Elevation (ft)	795.2

Sample Criteria:
pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 5.2

Remark

in At 1346

1 of 1

16606/006/sample.xls
sjb 9/29/00

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number 16606-011
Date Collected: 12/03/03
Time Collected: 1030
Collected By: FS/JC
Date Shipped to Lab: 10/02/02
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-9

Sample Number: PKR-GW-B119B
 Sample Type:
 Grab X Other _____
 Composite _____
 Analyses Requested:
 Organics VOCs Inorganics Metals (total)
 VOA Only _____ Other _____
 Extractables _____
 Preservatives HCl, HNO₃

Total Well Depth (ft)	<u>136.6</u>
Well Screen Length (ft)	<u>10 (136.6 - 136.6)</u>
Well Diameter (in)	<u>2</u>
Well Screen Volume (gal)	<u>1.7</u>
Reference Elevation (ft)	<u>776.16</u>

Purge Method: Low Flow Sampling
Approx. Purge Rate: 200 ml/min
Purge Device: Grundfos Pump (2000)

Sample Criteria:
pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 6.2

Remarks: 200' Gravel Pump associated with PKR-EQB-6.

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10/03/03
Time Collected: 1150
Collected By: FS/JC
Date Shipped to Lab: 10/03/03
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-9

Sample Number: PKR-GW-B119C
 Sample Type: Grab X Other
Composite
 Analyses Requested: Organics VOCs Inorganics Metals (total)
VOA Only Other
Extractables
Preservatives HCl, HNO₃
3
 Purge Method: Low Flow Sampling
 Approx. Purge Rate: 400 ml/min
 Purge Device: Grundfos Pump (200')

Total Well Depth (ft)	166.7
Well Screen Length (ft)	10 (156.7 - 166.7)
Well Diameter (in)	2
Well Screen Volume (gal)	1.7
Reference Elevation (ft)	776.55

Sample Criteria:
pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 2.2

Remarks: 200 GroundPos Pump Associated with APR-COB-6

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10/03/03
Time Collected: 0945
Collected By: PJ/JC
Date Shipped to Lab: 10/03/03
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-9

Sample Number: PKR-GW-B119D
 Sample Type: Grab X Other _____
Composite _____
 Analyses Requested: _____
Organics VOCs Inorganics Metals (total)
VOA Only _____ Other _____
Extractables _____
Preservatives HCl, HNO₃

Total Well Depth (ft) 216
Well Screen Length (ft) 10 (206 - 216)
Well Diameter (in) 2
Well Screen Volume (gal) 1.7
Reference Elevation (ft) 775.53

Purge Method: Low Flow Sampling
Approx. Purge Rate: 250 ml/min
Purge Device: Grubbers Pump (300)

Sample Criteria:

pH - variance not to exceed 0.3 std units

Spec Cond., Temp., D.O. - variance not to exceed 10%

Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 6.2

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10-6-03
Time Collected: 1130
Collected By: JP JAC
Date Shipped to Lab: 10/7/03
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-10

Sample Number: PKR-GW-B120C
 Sample Type: Grab X Other _____
 Composite _____
 Analyses Requested: Organics VOCs Inorganics Metals (total)
 VOA Only _____ Other RSK-175
 Extractables _____
 Preservatives HCl HNO₃ _____

Total Well Depth (ft)	108
Well Screen Length (ft)	10 (98-108)
Well Diameter (in)	4
Well Screen Volume (gal)	6.6
Reference Elevation (ft)	716.17

Purge Method: Low Flow Sampling
Approx. Purge Rate: 550 ml/min
Purge Device: Grout pump 30ft
attached
247-75

Sample Criteria:

pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 1.5, then 2

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 6/6/03
Time Collected: 1230
Collected By: JD JAC
Date Shipped to Lab: 6/7/03
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB 10

Sample Number: PKR-GW-01200
 Sample Type: Grab X Other
Composite
 Analyses Requested: Organics VOCs Inorganics Metals (total)
VOA Only Other RSK-175
Extractables
Preservatives HCl, HNO₃
 Purge Method: Low Flow Sampling
 Approx. Purge Rate:
 Purge Device: water method
(deducted)

Total Well Depth (ft) 133.5
Well Screen Length (ft) 20 (133.5 - 113.5)
Well Diameter (in) 1.5
Well Screen Volume (gal) 1.8
Reference Elevation (ft) 716.98

Sample Criteria:

pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 2

Remarks:

Purple 9 gallons then let cell recharge prior to purging remaining 2 gallons

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 9/29/09
Time Collected: 1715
Collected By: FS/JC
Date Shipped to Lab: 9/29/09 (36) 9/30/09
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-2

Sample Number: PKR-GW-B1210W
 Sample Type:
 Grab X Other _____
 Composite _____
 Analyses Requested:
 Organics VOCs Inorganics Metals (total)
 VOA Only _____ Other _____
 Extractables _____
 Preservatives HCl, HNO₃
 Purge Method: Low Flow Sampling
 Approx. Purge Rate: 400 mL/minute
 Purge Device: Peristaltic Pump

Total Well Depth (ft)	30.8
Well Screen Length (ft)	15 (15.8 - 30.8)
Well Diameter (in)	2
Well Screen Volume (gal)	2.6
Reference Elevation (ft)	706.39

Sample Criteria:

pH - variance not to exceed 0.3 std units

Spec Cond., Temp., D.O. - variance not to exceed 10%

Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 4.2

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10/6/03
Time Collected: 1730
Collected By: JP JAC
Date Shipped to Lab: 10/17/03
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-10

Sample Number: PKR-GW-B122
 Sample Type: Grab X Other _____
 Composite _____
 Analyses Requested: Organics VOCs Inorganics Metals (total)
 VOA Only _____ Other _____
 Extractables _____
 Preservatives HCl, HNO₃
 Purge Method: Low Flow Sampling
 Approx. Purge Rate: 975 ml/min
 Purge Device: Grundfos
Affected By
EQB-7

Total Well Depth (ft)	73.9
Well Screen Length (ft)	10 (63.9 - 73.9)
Well Diameter (in)	2
Well Screen Volume (gal)	1.7
Reference Elevation (ft)	715.62

Sample Criteria:
pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = < 7

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 10/11/03
Time Collected: 1000
Collected By: JTJP
Date Shipped to Lab: _____
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-5

Sample Number: PKR-GW-B125A
 Sample Type: Grab X Other
Composite
 Analyses Requested: Organics VOC Inorganics Metals (total)
VOA Only Other RSK-175
Extractables
Preservatives HCl, HNO₃
 Purge Method: Low Flow Sampling
 Approx. Purge Rate: 466 ml/min
 Purge Device: 300 foot Grundfos

Total Well Depth (ft) 71.2
Well Screen Length (ft) 10 (61.2 - 71.2)
Well Diameter (in) 2
Well Screen Volume (gal) 1.7
Reference Elevation (ft) 711.55

Sample Criteria:

pH - variance not to exceed 0.3 std units

Spec Cond., Temp., D.O. - variance not to exceed 10%

Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 5.2

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 9/30/03
Time Collected: 1800
Collected By: JP JT
Date Shipped to Lab: _____
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-5

Sample Number: PKR-GW-B1258
 Sample Type:
 Grab X Other _____
 Composite _____
 Analyses Requested:
 Organics VOCs Inorganics Metals (total)
 VOA Only _____ Other RSK-175
 Extractables _____
 Preservatives HCl, HNO₃

Total Well Depth (ft)	123.9
Well Screen Length (ft)	48.5 (79.42 - 123.92)
Well Diameter (in)	6
Well Screen Volume (gal)	72.8
Reference Elevation (ft)	712.50

Purge Method: Low Flow Sampling
 Approx. Purge Rate: Varied As blood dropped
 Purge Device: 300 ft Ground for between
 100 ml/min
 800 ml/min
 at time
 of readings
 Flow rate was ~ 500 ml/min

Sample Criteria:
pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 4.2

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 9/29/03
Time Collected: 1540
Collected By: FSPJC
Date Shipped to Lab: 9/29/03 (34) 917-403
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB-2

Sample Number: PKR-GW-B126A
 Sample Type: Grab X Other _____
Composite _____
 Analyses Requested: _____
Organics VOCs Inorganics Metals (total)
VOA Only _____ Other RSK-175
Extractables _____
Preservatives HCl, HNO₃ _____

Total Well Depth (ft) 102.5
Well Screen Length (ft) 10 (92.5 - 102.5)
Well Diameter (in) 2
Well Screen Volume (gal) 1.7
Reference Elevation (ft) 699.38

Purge Method: Low Flow Sampling
Approx. Purge Rate: 300 ml/minute
Purge Device: Peristaltic Pump

Sample Criteria:

pH - variance not to exceed 0.3 std units

Spec Cond., Temp., D.O. - variance not to exceed 10%

Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 4.2

Remarks:

SAMPLE DATA SHEET

Project Name: Parker Landfill
Project Number: 16606-011
Date Collected: 7/29/03
Time Collected: 1500
Collected By: FS/SC
Date Shipped to Lab: 9/29/03 (62) 9/20/03
Laboratory: Columbia Analytical
Associated trip blank: PKR-TB - 2

Sample Number: PKR-GWT-B126B

Sample Type:

Grab X Other

Composite

Analyses Requested:

Organics VOCs Inorganics Metals (total)

VOA Only Other RSL-175

Extractables

Preservatives HCl, HNO₃

Purge Method: Low Flow Sampling

Approx. Purge Rate: 300 mL/minute

Purge Device: Grindfos Pump

Total Well Depth (ft)	123
Well Screen Length (ft)	15 (108-123)
Well Diameter (in)	2
Well Screen Volume (gal)	2.6
Reference Elevation (ft)	697.85

Sample Criteria:

pH - variance not to exceed 0.3 std units
Spec Cond., Temp., D.O. - variance not to exceed 10%
Redox Potential - variance not to exceed 25 millivolts

[illegible]

pH of fixed sample = 2.2

Remarks:

Collect B126 BQ ✓